WHAT IS CLAIMED IS:

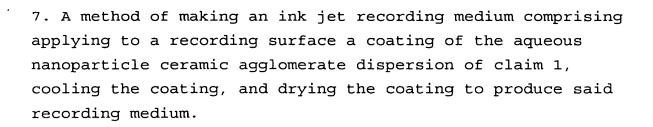
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- 1. An aqueous nanoparticle ceramic agglomerate dispersion, for forming an ink-absorbing layer of an ink-jet recording medium, comprising:
- a nanoparticle ceramic agglomerate dispersed in deionized water;
- said nanoparticle ceramic agglomerate having an average diameter of 0.05 to 0.3 µm at a viscosity suitable for coating of 10 to 200 mPa·s as measured by a laser diffraction particle size distribution measurement apparatus, and
- said nanoparticle ceramic agglomerate having a size distribution curve such that the ratio of peak width at a height which is half the maximum height of said curve, determined according to the results of said measurement, to the maximum height is 0.7 or less.
- 2. The aqueous nanoparticle geramic agglomerate dispersion having a size distribution curve corresponding to Figure 1.
- 3. An ink-jet recording medium having an ink-absorbing layer deposited on a surface thereof produced from the aqueous nanoparticle ceramic agglomerate dispersion of claim 1.
- 4. The ink-jet recording medium having an ink-absorbing layer deposited on a surface thereof produced from the aqueous nanoparticle ceramic agglomerate dispersion of claim 2.
- 5. The ink-jet/recording medium according to claim 3 wherein said dispersion further contains a cationic polymer.
- 6. The ink-jet recording medium according to claim 3 wherein said surface is a water absorbing paper recording surface.

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- 8. The method according to claim 7 wherein said recording surface is a water absorbing paper.
- 9. The method according to claim 7 wherein said dispersion also contains a cationic polymer.

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